

Environmental Standard Operating Procedure

Originating Office: Natural Resources Environmental Affairs Office	Revision: 25 September 2014 Supersedes: 01 March 2013	Prepared By: NREA, Subject Matter Expert (SME)	Approved By: Solid Waste Manager:
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Title: Pesticide / Herbicide – General

1.0 PURPOSE

The purpose of this Environmental Standard Operating Procedure (ESOP) is to provide environmental guidelines for pesticide and herbicide application.

2.0 APPLICATION

- This guidance applies to certified individuals applying pesticides and herbicides aboard Marine Corps Air Ground Combat Center, (MCAGCC).

3.0 REFERENCES

- Code of Federal Regulations – Title 40, (40 CFR)
- California Code of Regulations – Title 3, (3 CCR)
- MCAGCC Integrated Pest Management Plan
- DoD Instruction 4150.07
- OPNAVINST 6250.4B
- MCO P5090.2A Chg. 3
- Mojave Desert Air Quality Management District (MDAQMD) Rules
- Hazardous Waste Operations Manual, MCAGCC
- Combat Center Order 5090.5C, Integrated Contingency and Operations Plans (ICOP) for MCAGCC

4.0 PROCEDURE

4.1 Discussion:

Pest management activities provide protection to human health, maintains facilities, protects environmental resources, and improves quality of life. Pesticides and herbicides pose serious danger to human health and the environment if not properly handled and applied. State, federal, and Marine Corps regulations require that pesticides and herbicides be stored and applied properly by certified and/or licensed applicator and that equipment used for application is in compliance with all applicable regulations.

4.2 Operational Controls:

The following procedures apply:

1. Ensure MSDS/SDSs for all materials are available and current.
2. Only approved pesticides authorized on the Pesticide Authorized Use List (PAUL) may be used aboard the installation.

3. All personnel must be properly trained and certified in the category that they are applying pesticides and herbicides to include the following:
 - a. Cat. 3. Ornamental and Turf,
 - b. Cat. 5. Aquatic,
 - c. Cat. 6. Right-of-Way,
 - d. Cat. 7. Industrial, Institutional, Structural, and Health-Related, and
 - e. Cat. 8. Public Health
4. Follow steps set forth in Integrated Pest Management Plan (IPMP).
5. Ensure pesticides and herbicides are stored in accordance with MCO P5090.2A and IPMP.
6. Ensure pesticides and herbicides are applied in accordance with Federal and State label directions.
7. Clean all applicators and dispose of in accordance with federal, state, and IPMP guidelines.
8. Clean all clothing used during applications and vehicle at designated facilities and separate from regularly laundered clothing.
9. Maintain a daily record that records each application of pesticides and herbicides.
10. Submit all reports as they pertain to pesticide and herbicide application as required.
11. Keep a spill kit on truck and where pesticides and herbicides are mixed.
12. Keep fire extinguisher charged and inspections up to date in building.
13. Keep PPE (Personnel Protective Equipment) clean and in good working condition with a supply of extra filters on hand.
14. Standard Operating Procedure with map of all bait stations and traps that are in place aboard base.
15. All pesticide containers, including service containers, must have the original or copy of the original label attached.
16. Pesticides shall be properly stored on pest control vehicles. Pest control vehicles shall meet federal, state, and local regulatory requirements.
17. Applications of pesticides must be performed in accordance with the pesticide container label.
18. DoD pesticide applicators must be enrolled in a medical surveillance program and be provided with properly fitted personal protective equipment
19. Rinsate from container and equipment rinsing should be prevented from entering storm drains and water bodies. Dispose of empty containers properly.
20. Spill kits should be maintained in pest control shops and pest control vehicles. All personnel should be familiar with the installation's spill contingency plan.

21. Ensure all pesticide applicators conducting operations on the installation and Pest Control Performance Assessment Representatives (PCPARs) have current pest management training, qualification and certification.
22. If there are any specific situations or other concerns not addressed by this procedure, contact MCAGCC Natural Resource and Environmental Affairs (NREA) office.

4.3 Documentation and Record Keeping:

The following records must be maintained:

1. Labels for use
2. MSDS/SDSs for all hazardous material
3. Daily records of each application of pesticides and herbicides in the building card folder and designated internet system or systems as they change by direction of NAVFAC South West San Diego Ca.
4. Training records.

4.4 Training:

All applicator personnel must be trained in this Environmental Standard Operating Procedure and the following:

1. Hazard Communications training DoD personnel.
2. General Environmental Awareness training DoD personnel.
3. Will be certified by DoD or State prior to applying without direct supervision of lessened applicator.

4.5 Emergency Preparedness and Response Procedures:

Refer to Combat Center Order 5090.5C, Integrated Contingency and Operations Plans (ICOP) for MCAGCC.

4.6 Inspection and Corrective Action:

The Integrated Pest Management Coordinator (IPMC) shall ensure that Annual inspections are conducted by a certified Entomologist and a copy is forwarded to the ECC whom shall ensure deficiencies noted during the inspections are corrected immediately. The Environmental Compliance Coordinator (ECC) shall ensure the designation of personnel to perform inspections. The ECC shall ensure immediate corrective action for deficiencies noted during weekly inspections. Actions taken to correct each deficiency shall be recorded on the weekly inspection sheet (including Work Request number(s)). Designated personnel shall conduct weekly inspections using this ESOP as guidance.

Pesticide/ Herbicide – General - ECC/Unit Inspection Checklist

Date:	Time:
Installation:	Work Center:
Inspector's Name:	Signature:

Inspection Items	Yes	No	Comments
1. Are all applicable MSDS/SDSs readily available and current?			
2. Are only approved pesticides/herbicides listed on the Pesticide Authorized Use List (PAUL) being applied aboard the installation?			
3. Are personnel properly trained and certified in the category they are applying pesticides and herbicides. The following are categories DoD applicators are trained for: a. Cat. 3. Ornamental and Turf b. Cat. 5. Aquatic c. Cat. 6. Right -of-Way d. Cat. 7. Industrial, Institutional, Structural, and Health-Related e. Cat. 8. Public Health f. Some may also hold a certification in Cat. 11, Aerial Application.			
4. Have all pesticides/herbicides in use been determined necessary and have alternative options been identified?			
5. Is the cleaning of applicators done at the application site?			
6. Is clothing material used during pesticide applications cleaned in an approved laundry facility separate from regularly laundered clothing?			
7. Is pesticide/herbicide material stored in appropriate containers inside storage building(s)?			
8. Are signs posted in pesticide storage areas?			
9. Is there a spill kit stored near potential spill areas?			
Inspection Items	Yes	No	Comments
10. Is there a fire extinguisher stored near potentially flammable materials?			
11. Is PPE kept near any areas with potential health hazards?			
12. Is a daily record/logbook or authorized computer system maintained of each application of pesticide/herbicide?			
13. Are training and inspection records maintained and			

available for inspection?			
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ADDITIONAL COMMENTS:

CORRECTIVE ACTION TAKEN:

Environmental Compliance Coordinator

Name: _____

Signature: _____

Date: _____